



# Geospatial Modernization Blueprint Update

June 2006

## Overview

The Geospatial Modernization Blueprint is a planning process that is defining how geospatial data and technology will be used to enhance the business activities of the Department of Interior (DOI) and support fulfilling its mission and goals.

## Blueprint Status and Short Term Recommendations

The Geospatial Blueprint team completed the first three steps of the methodology and has established some recommendations to submit to the Capital Planning process. The team will complete the Blueprint (likely with additional recommendations) during July 2006. The team has identified near term investments and improvement opportunities for:

- **National Integrated Lands Systems:** In accordance with A-16, we propose the establishment of service level agreements with BLM's National Integrated Land System (NILS) as the department-wide land management application. This will eliminate duplicate services that now exist in several other Bureaus and will provide a common cost-cutting capability for FBMS (Financial and Business Management System), the public and local and state governments.
- **Requirements Management Planning:** Aligning annual planning cycles with department wide requirements collection and analysis saves data acquisition costs and optimizes resource utilization.
- **Designate Authoritative Data Sources** for resource management, law enforcement, recreation, facilities, fire, and non-DOI data sources to ensure availability of robust, standards-based geospatial data sets meeting business needs of Interior,

- **Enterprise Licensing Agreements:** Development of new enterprise license agreements or consortia for geospatial software and geospatial data sources.
- **Facilities:** Coordinate development and implementation of department-wide facility locations and associated geo-capabilities.
- **Governance:** Establishment of an improved geospatial governance structure to develop and manage policy, blueprint implementation, data, infrastructure and services life cycle and investment portfolio.

Expert planning and skilled implementation of the recommended strategies will maximize DOI's return on investment in geospatial data, information and services. Providing nationally consistent authoritative data will greatly improve internal processes across all bureaus. Stakeholder surveys show that DOI bureaus are unanimous in support of the proposed investments.

Federal agencies and their data-sharing partners believe that opportunities for increasing internal effectiveness and efficiency while optimizing and creating new uses of geospatial resources for the Nation and its citizens can be achieved by architecting and investing in geospatial information and services in a well governed, coordinated and purposeful way.

These investments will be managed and delivered through trustworthy providers (commercial or federal) and create a common environment where:

- high quality and timely geospatial data and services are easy to find and use
- new sectors of government, the public and communities of interest will realize the benefits of national geospatial assets
- common mission business resource needs are quickly identified in the budget planning

- life-cycle to identify shared opportunities,
- long term geo-information access, delivery costs and efforts will be reduced,
- manual business processes will be facilitated and automated business processes improved,
- legacy application and system developments can be simplified or modernized,
- ongoing and future development activities will be less risky and costly,
- geospatial related investments and costs will be managed and accountable.

### Why is a Blueprint needed?

The Geospatial Blueprint will describe a recommended path to a target future state and milestones for measuring performance. It will meet DOI strategic, business and technical requirements by improving cost management, business practices, investment planning and decision making.

Geospatial data and technology are strategic, national assets involving major investments. While geospatial capabilities have been implemented across all bureaus of DOI, these capabilities have not been documented and implemented in systematic ways, leading to breaks in potential interoperability and lost potential for cost savings. The Blueprint is a structured, six-step process that examines fundamental business drivers and linkages to develop recommendations for effective change.

The Federal and DOI Enterprise Architectures are the overarching guides for the Blueprint the process. The Geospatial Blueprint is harmonized with the OMB Geospatial Line of Business and the Geospatial Enterprise Architecture profile. All efforts are guided by the same principles: compliance with national policies and with all relevant national and international standards; business driven, not technology driven with emphasis on common solutions.

### The Geospatial Blueprint Team

The Geospatial Modernization Blueprint is supported by Colleen Coggins, Chief Architect, DOI, and is sponsored by Karen Siderelis, National Geospatial Program Office (NGPO), U.S. Geological Survey (USGS). NGPO Project Managers are Leslie Armstrong and Bob Pierce.

**Core Team:** NGPO has assembled a Core Team of executives to represent DOI business and programs, existing investments, E-government and management accountability:

- Tom Weimer - DOI Assistant Secretary for Policy, Management and Budget
- Mark Limbaugh – DOI Assistant Secretary for Water and Science
- Tim Petty – DOI Deputy Assistant Secretary for Water and Science
- Linda Gundersen - USGS Acting Associate Director for Geology, E-Gov representative
- Leslie Cone – BLM NILS Project Manager
- Mike Howell – USFWS CIO
- Billie Clarke – OSM, Chief National Technology Innovation and Professional Services
- Jeff Hoffman – BOR, Chief Architect
- Maryanne Bach- BOR, Director of Technical Resources
- Sue Hawkins – NPS, Deputy CIO, Information Systems
- Charlie Grymes, DOI E-Gov Manager

The executive and business sponsorship will be required to review and approve critical work products generated by the project. The executives will act as the project's governance board and be referred to as the Geospatial Modernization Blueprint Core Team (CMBT). The CMBT is assisted by Subject Matter Experts known as the Enterprise Geographic Information Management Team (EGIM) as well as technical advisors and contractor support:

#### Subject Matter Experts/EGIM Team

BIA - Richard Moore	FWS - Deb Green
BIA - Kit Dwyer	FWS - Gary Krauss
BLM – Bob Bewley	MMS – Leonard Coats
BLM – George Heine	NPS – Dave Duran
BLM - Carl Zulick	NPS - Joe Gregson
BOR - Lorri Peltz-Lewis	OSM – Rob Welsh
BOR - Bruce Whitesell	
OSM - Alan Wilhelm	
USGS - Jacqueline Coles	

#### For more information please contact:

Leslie Armstrong ([larmstrong@usgs.gov](mailto:larmstrong@usgs.gov))  
 Robert Pierce ([rrpierce@usgs.gov](mailto:rrpierce@usgs.gov))  
 Kathy Covert ([klcovert@usgs.gov](mailto:klcovert@usgs.gov))